

200400239

THIE UNITED STRATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Agricultural Research Institute of the Hungarian Academy of Sciences

TICTUES, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS OM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, ONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT OPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR NT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN ED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED. SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542.)

WHEAT, COMMON

'Carlisle'

In Vestiment Marrets, I have hereunto set my hand and caused the seal of the Plant Marrety Arotection Office to be affixed at the City of Washington, D.C. this twentieth day of September, in the year two thousand and four.

Secretary of Agriculture

Commissioner
Plant Variety Protection Office
Spricellural Marketing Service

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to **reproduce** the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filling fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initiated and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties;
 - (1) identify these varieties and state all differences objectively.
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Canada: first commercial sales 2002

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

Canada: Registration No. 5551, date 15.10.2002, Canadian Plant Breeders Rights, Application No. 02-3020, Certificate No. 1672 (December 2003)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filling a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.



ACS Seeds

EXHIBIT A ORIGIN AND BREEDING HISTORY OF THE VARIETY

Name of applicant

: Agricultural Research Institute of

The Hungarian Academy of Sciences

Experimental Number

: Carlisle (ACS 98091) Hard Red Winter Wheat

Carlisle is a hard red winter wheat variety bred by the Agricultural Research Institute of the Hungarian Academy of Sciences, Martonvasar in Hungary. The variety is the result of the following crosses and selections:

Pedigree : (MvMA x Mv12) x F 2098W2-21

MvMa = Mv12 = Kavkaz/Olesen//Tp114-65A/Martonvasari-3 Mironovskava 808/Bezostava 1//Bezostava 1/3/

Bezostaya 1/Produttore//Bezostaya 1

F 2098W2-21 =

Line from Fundulea, Romania

The final cross was made in 1989. F1 seed were bulked at harvest 1990; the F2 to F8 generations were grown and selected in Hungary. Selection criteria were winter hardiness, bread making quality, yield and disease resistance to powdery mildew and Fusarium head blight.

Agronomically acceptable rows were selected; 25 such rows were multiplied. Testing of agronomic values started in F9 generation in Canada and Europe.

Since then successive generations were tested in various U.S. states, mainly in Montana and Wisconsin.

Stages of Selection and Multiplication

From these 25 rows 2 lines were finally selected and bulked.

Breeder seed was planted in 2002 and approximately 50 acres in the spring of 2003 for the purpose of producing Foundation seed.

Carlisle will be maintained at Oberlimpurg throughout the duration of Plant Variety Protection, based on 800 single plant progenies sown annually as "ear to row". Negative selection is based on obvious criteria in all stages from 4-leaf-stage to harvest. Breeder seed production is generated from this material.

Uniformity and Stability Statement

Carlisle has been observed for 4 generations of increase and is stable and uniform. Variants appear in Carlisle at a frequency of about 40 in 10,000. 20 of 10,000 variants are apically awned, 20 of 10,000 are taller (> 10 cm).





Advanced Cereal Seeds

ACS Seeds - 74523 Schwäbisch Hall

"CARLISLE (ACS 98091)"

20.7.2004

Hard Red Winter Wheat

Exhibit B Statement of Distinctness

Carlisle is most similar to the variety CDC Falcon; however Carlisle differs from plant height (82,5 cm vs. 86,5 cm) and ear emergence (Carlisle is two days earlier). The glume shoulders of Carlisle are elevated where the glume shoulders of CDC Falcon are wanting. Carlisle has better quality results than CDC Falcon (see table 1).

Table 1. Quality characteristics of Carlisle compared to check variety CDC Falcon in Western Plant Breeders (Bozeman and Moses Lake) trials (avg. of 2 locations).

	Heading Date	Plt. Ht.	T.W.	Protein	SED
Entry	Julian Days	<u>(cm)</u>	(lbs/bu)	<u>%</u>	<u>(mm)</u>
CDC Falcon ML, WA 2003			63,9	13,1	108
CDC Falcon BZ, MT 2003	170	84	61,5	12,0	84
CDC Falcon BZ, MT 2002	<u>175</u>	<u>89</u>	<u>61,8</u>	<u>12,3</u>	<u>109</u>
AVG	172,5	86,5	62,4	12,5	100
Carlisle ML, WA 2003			65,0	14,3	105
Carlisle BZ, MT 2003	169	79	62,4	14,2	102
Carlisle BZ, MT 2002	<u>173</u>	<u>86</u>	<u>64,1</u>	<u>13,3</u>	<u>103</u>
AVG	171,0	82,5	63,8	13,9	103

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY

	Wheat (Triticum spp.)	AINETT	
NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME	
DR. PETER FRANCK	ACS 98091		Carlisle
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country)	FOR OFFICIAL USE ONLY		
ACS-PZO Pflanzenzucht Oberlimpur	ra	PVPO NUMBER	
Oberlimpurg 2	9	PVPO NOMBER	
D-74523 Schwabisch Hall GERMANY		ê de	200400239
PLEASE READ ALL INSTRUCTIONS CAREFULLY:			
Place the appropriate number that describes the var when number is either 99 or less or 9 or less respect should be determined from varieties entered in the sidesignate system used: your application.	tively. Data for quantitative plant characters should same trial. Royal Horticultural Society or any recog	d be based on a minim nized color standard m	um of 100 plants. Comparative data
1. KIND: 1 = Common 2 = Durum 3 = Club 4 = Other (Specify)	2. VERNALIZA	ATION: 1 = Spring 2 = Winter 3 = Other (Specify)	
3. COLEOPTILE ANTHOCYANIN: 1 1 = Absent 2 =	Present 2	PLANT GROWTH: 1 = Prostrate	2 = Semi-Erect 3 = Erect
5. PLANT COLOR: (boot stage)	6. FLAG LEAF	: (boot stage)	
2 1 = Yellow-Green			2 = Recurved
	2	1 = Erect	
2 = Green 3 = Blue-Green	- ,	1 = Not Twisted 3 = Wax Absent	2 = Twisted 3 = Wax Present
7. EAR EMERGENCE: Days from January 1 7 1 Number of Days (average) 0 2 Number of Days Earlier Th			
Same as	*		
Number of Days Later Tha	n *		
	*Relative to a Commercial Variety Grown in the Same	e Trial	
8. ANTHER COLOR: 1 1 = Yellow 2 = Pu	rple		

'9. PLAN	NT HEIGHT: (from soil to top 8 3 cm (Average)	of head, excluding av	wns)			20040	0239
· -		•				- G 10 13 180	
	cm Taller Than	-			<u> </u>	-	
· ·	Same as	*					
· [4 cm Shorter Than		DC Falcon			<u>.</u>	
		*Rel	ative to a Commercial \	ariety Grown in the S	Same Trial		
10. STEN	· 1:						
*							
A. A	ANTHOCYANIN			D. INTERNO	DE		•
1	1 = Absent	2 = Present	÷	2	1 = Hollow	2 = Semi-Solid	3 = Solid
		•			Number of Nodes		•
	MANN DI COM						
	VAXY BLOOM			E. PEDUNCI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>.</u>	
2	1 = Absent	2 = Present			1 = Erect	2 = Recurved	3 = Semi-Erect
				1 3	cm Length	$(x_1,\dots,x_n)\in \mathcal{X}_{n+1}$	
C. F	HAIRINESS (last internode o	f rachis)		F. AURICLE			
	1 = Absent	2 = Present		1. AURICLE	Anthocyanin:	1 = Absent	2 = Present
<u> </u>	ı – Absent	∠ = Present		H	The state of the s		
		e e			Hair:	1 = Absent	2 = Present
1. HEAD	: (at maturity)						
_	<u> </u>						
	DENSITY			C. CURVATU			*
3	1 = Lax			2	1 = Erect		
	2 = Mid-dense (Laxid	ense)			2 = Inclined		
	3 = Dense				3 = Recurved		•
B. S	HAPE			D. AWNEDN	ESS		
1	1 = Tapering			4	1 = Awnless		in the second
	2 = Strap				2 = Apically Awnlette	d	
	3 = Clavate				3 = Awnletted		
	4 = Other (Specify)	-			4 = Awned		
		The second secon					
2. GLUM	ES: (at maturity)						
. <u>A.</u> C	OLOR			E. BEAK WIL	TH		
1	1 = White			2	1 = Narrow		
3.25	2 = Tan		÷ .		2 = Medium		
	3 = Other (Specify)	<u> </u>	 , i i i y		3 = Wide		
B. SI	HOULDER			F. GLUME LI	ENGTH		
5	1 = Wanting	2 = Oblique		2	1 = Short (ca. 7mm)		
النا	3 = Rounded	4 = Square			2 = Medium (ca. 8mn	າ)	
	5 = Elevated	6 = Apiculate			3 = Long (ca. 9mm)		
	7 = Other (Specify)			7			•
, C C				G. WIDTH			
	HOULDER WIDTH						
	1 = Narrow			2	1 = Narrow (ca. 3mm		
	2 = Medium 3 = Wide				2 = Medium (ca. 3.5n 3 = Long (ca. 4mm)	R11)	• .
. 1	· · · · · ·				5 Long (oa. Hint)		
D. BI	EAK		,		# 2		
3	1 = Obtuse		4		•		•
	2 = Acute					•	•
	3 = Acuminate						

13. S	EED		2 0	0400239
Α	. SHA	APE E. C		
	1	1 = Ovate	3 1 = White	
-		2 = Oval	2 = Amber	
		3 = Elliptical	3 = Red	
			4 = Other (Specify)	
В	. CHE	EEK F. T	EXTURE	
Ē	1	1 = Rounded	1 = Hard	
L	<u> </u>	2 = Angular	2 = Soft	
			3 = Other (Specify)	
_		101		
C			HENOL REACTION	
L	2			rk Brown
		2 = Medium 2 = Collared 3 = Wide	2 = Fawn 5 = Bla 3 = Light Brown	ICK
			o Light Diomi	
. D	. CRE	ASE H. S	EED WEIGHT	
L	2		g/1000 Seed (whole number onl	у)
		2 = Width 80% or less of Kernel		
		3 = Width nearly as Wide as Kernel I. G	ERM SIZE	
	2		1 = Small	
		2 = Depth 35% or less of Kernel	2 = Mid-Size	
•		3 = Depth 50% or less of Kernel	3 = Large	
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Tan Spot (Pyrenophora tritici-repentis) Halo Spot (Selenophoma donacis) Septoria nodorum (Glume Blotch) Septoria avenae (Speckled Leaf Disease) Septoria tritici (Speckled Leaf Blotch) Scab (Fusarium spp.) "Black Point" (Kernel Smudge) Barley Yellow Dwarf Virus (BYDV) Soilborne Mosaic Virum (SBMV)	Leaf Rust (Puccinia recondita f. Loose Smut (Ustilago tritici) Flag Smut (Urocystis agropyri) Common Bunt (Tilletia tritici or T Dwarf Bunt (Tilletia controversa) Karnal Bunt (Tilletia indica) Powdery Mildew (Ersiphe grami "Snow Molds" Common Root Rot (Fusarium, (Rhizoctonia Root Rot (Rhizoctor Black Chaff (Xanthomonas cam Bacterial Leaf Blight (Pseudomo Other (Specify) Other (Specify) Other (Specify)	T. Laevis) nis f. sp. tritici) Cochliobolus and Bipolaris spp.) nia solani) pestris pv. translucens)
5. IN:	SECT	(0 = Not Tested 1 = Susceptible PLEASE SPECIFY BIOTYF Hessian Fly (Mayetiola destructor) Stem Sawfly (Cephus spp.) Cereal Leaf Beetle (Oulema melanopa)	2 = Resistant 3 = Intermediate 4	= Tolerant)

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

Carlisle Quality Data: Grain Quality Lab, Agriculture Canada, Ottawa

Flour Ch	arac	teristic	cs							L	n () 4	0 0 2	39
		Flour	Flour	Prt	Flour		FARING	OGRAPH	DATA		Loaf	Starch	Agtron
		Yield	Prt	Diff	Ash	ABSN	PK TM	Stab	MTI	TMD	Volume	Damage	Colour
1999						i							
Karat	chk	76.9	12.10	1.05	0.39	60.0	2.3	9.0	13	65	765	5.10	
Fundulea		74.0	11.45	0.99	0.39	57.7	4.3	4.5	45	129	747	4.16	
Carlisle		76.4	11.70	1.04	0.39	59.5	2.8	10.3	16	62	785	5.30	
CWRS (12.5))	75.2	12.04	0.67	0.46	60.5	5.9	7.3	29	69	825	5.52	
2000													
Karat	chk	76.2	10.82	0.74	0.41	57.3	2.0	4.1	39	153	802	4.75	67.0
Fundulea		73.0	10.72	0.96	0.46	56.1	4.0	4.1	61	123	775	4.22	64.0
Carlisle		77.3	10.21	0.87	0.42	58.4	2.3	5.6	33	109	720	5.18	68.7
CWRS (12.5)		75.2	12.04	0.67	0.46	60.5	5.9	7.3	29	69	825	5.52	
2 Year													
Karat	chk	76.6	11.60		0.41	58.8	4.4	5.7	37	113	812	4.82	
Fundulea		73.0	11.07		0.43	56.8	4.2	4.1	55	120	763	4.09	
Carlisle		76.9	10.96		0.41	59.0	2.6	8.0	25	86	753	5.24	

CULTIVAR		CGC	Fus	Test	TKW	Kernel	Grain	Grain	Fall
		Grade	Dmg	Weight		Hard	Protein	Ash	#
1999									
Karat	chk	1	0.10	84.2	32.5	52.7	13.15	1.33	320
Fundulea		1	0.00	84.3	32.7	59.3	12.43	1.35	312
Carlisle		1	0.00	84.1	41.3	52.0	12.75	1.29	302
CWRS (12.5)		1	0.10	83.5	31.7	52.3	12.71	1.60	429
2000									
Karat	chk	1	0.82	78.6	32.7	56.6	11.56	1.69	352
Fundulea		1	0.34	79.4	29.1	62.5	11.68	1.62	332
Carlisle		2	0.58	81.1	37.3	54.8	11.08	1.48	274
CWRS (12.5)		1	0.1	83.5	31.7	52.3	12.71	1.6	429
2 Year									
Karat	chk			81.1	34.5	56.7	12.22	1.60	328
Fundulea		•		81.0	31.0	64.0	11.89	1.56	297
Carlisle				82.6	39.3	53.4	11.92	1.39	288

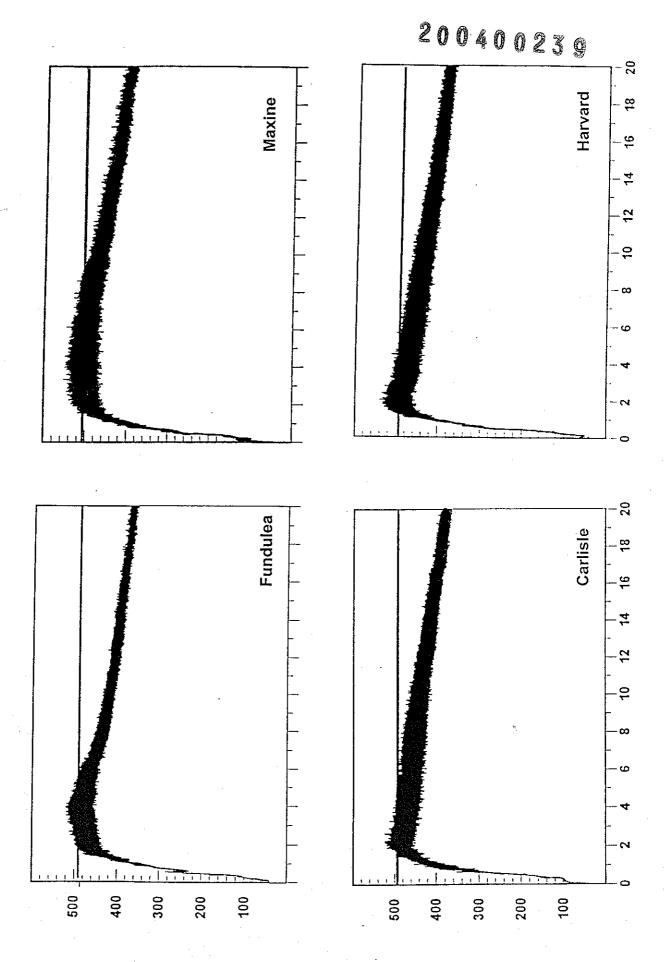
Locations:

1999: Woodslee, Nairn, Ottaw

2000: Woodstock, Woodslee, Nairn, Palmerston, Chatham, Centralia, Ottawa

Hard Red Winter Wheat

Ontario Hard RedWinter Wheat Registration Test Results from Grain Quality Lab, ECORC



REPRODUCE LOCALLY. Include form number and edition date on a	all reproductions.	FORM APPROVED - OMB No. 0581-005				
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).					
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME				
Agricultural Research Inst. of Hungarian Acad. of Sciences	OR EXPERIMENTAL NUMBER ACS 98091	Carlisle				
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)				
Brunsvik u. 2	0036-22569500	0036-22460213				
H-2462 Martonvasar	7. PVPO NUMBER	-				
Hungary	200400	239				
8. Does the applicant own all rights to the variety? Mark an "X" in the	le appropriate block. If no, please expla	in. YES NO				
9. Is the applicant (individual or company) a U.S. national or a U.S. HUNGARY		ountry. YES V NO				
10. Is the applicant the original owner? YES	NO If no, please answer one	of the following:				
 a. If the original rights to variety were owned by individual(s), is YES b. If the original rights to variety were owned by a company(ies) YES 	NO If no, give name of count HUNGARY), is (are) the original owner(s) a U.S. bar NO If no, give name of countr HUNGARY	ry sed company? y				
11. Additional explanation on ownership (Trace ownership from original See additional declaration of legal representative attached.	nal breeder to current owner. Use the re	everse for extra space if needed): - -				
PLEASE NOTE:						
Plant variety protection can only be afforded to the owners (not licens	sees) who meet the following criteria:					
If the rights to the variety are owned by the original breeder, that pronational of a country which affords similar protection to nationals or	erson must be a U.S. national, national of the U.S. for the same genus and speci	of a UPOV member country, or es.				
2. If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a genus and species.	yed the original breeder(s), the company country which affords similar protection t	must be U.S. based, owned by o nationals of the U.S. for the same				
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must m	eet one of the above criteria.				
The original breeder/owner may be the individual or company who did Act for definitions.	rected the final breeding. See Section 4	1(a)(2) of the Plant Variety Protection				
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor.	and a paragraph in mot enquired to a second to a secon	n of information unless it displays a walled OMB				

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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Authorization

The Agricultural Research Institute of the Hungarian Academy of Sciences, Martonvásár (H-2462 Martonvásár, Brunszvik u. 2, Hungary) as the variety owner of the winter wheat genotype ACS 98091 (Breeders reference:Mv106-97) hereby authorizes Dr. Peter Franck, PZO Pflanzenzucht Oberlimpurg,

D-74523 Schwäbisch Hall, Germany) to carry out variety maintenance and to produce breeder's seed.

Dr. Zoltán Bedlő

director

k > D **,**

Martonvásár, 2002. 09. 27.

ACS - PZO PLUCELLE PR. Peter Franck

PZO Pflanzenzucht Oberlimpurg

Oberlimpurg
Agricultural Research Institute of the Hungarian Academy of Sciences
74523 Schweiz 462 Markohvásár, P. O. Box 19, Phone: +36 (22) 569 500, Fax: +36 (22) 460 213, http://www.mgki.hu

Authorization of Legal Representative

I/we hereby declare that the applicant:

PZO Pflanzenzucht Oberlimpurg ACS – PZO D 74523 Schwaebisch Hall,

Is the legal representative of:

Agricultural Research Institute of the Hungarian Academy of Sciences H 2462 Martonvásár, Hungary

and authorized to act for all purposes of this act (Application for Registration and Application for Plant Protection), on behalf of me/us as my/our representative for the

winter wheat variety

ACS 98091

Signature /Date

Dr. Zoltán Bedő

Director

Agricultural Research Institute of the Hungarian Academy of Sciences Signature /Date

Dr. P. Franck

Legal Representative

CEO of PZO /ACS - PZO

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